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DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE

Yl NATIONAL PARK

File Copy

FILE NO.

Monthly Report

September, 1922.

143-

Sept. 1922

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October 7, 1922

Dear Sir:

The following is my report on conditions in the Yellowstone National Park and on the operation of the park for the month of September, 1922:

I. GENERAL CONDITIONS:

In special reports I have already brought to your attention the unusual events of the month of September, the most important of which was the tour of the park by the Putnam party of distinguished writers. In this report, or attached hereto, will be found a brief resume of the career and writings of each member of this party. The party entered and left by West Yellowstone, spending 3 days, September 13th-15th, inclusive. Wm. G. McAdoo toured the park in two days, September 15th and 16th, with a party of eleven friends, most of whom were citizens of Idaho.

Park development work proceeded normally. A sudden decline in temperature forced us to begin calling in the sprinklers on September 8th. By the close of the season all of the maintenance crews and sprinkler outfits had been brought into headquarters. The only crews remaining in the park were the graveling outfits, the crew engaged in building the Old Faithful sewer system and one or two road improvement crews engaged in improving drainage, redecking bridges, etc.

We had some difficulty in retaining labor until the end of the season and at the present time crews still occupied in the park are short-handed.

Public utilities, while closing all of their season's operations on September 19th, increased their construction and improvement crews at all points where work is in progress with a view to increasing facilities for next year. A report of their work will be included if received in time but it may not be possible to detail this work in this report because of the absence from headquarters of the general managers of the hotels and camps.

The last trains carrying passengers into the park arrived Sept. 15th.

and The last trains carrying passengers from the park left Gardiner, West Yellowstone and Cody on September 20th. The Lake Hotel and permanent camp closed on the 17th; the establishments at Old Faithful on the 18th; and at Mammoth and Canyon on the 19th. The Yellowstone Park Camps Company, however, has kept a small crew at each of its permanent camps, except Camp Roosevelt, in order to accommodate private motorists. The stores are still open but the Haynes Picture Shops were closed at the end of the regular tourist season. It is still possible for private motorists to go through the park with their own outfits and procure gasoline, oil and other automobile supplies, groceries, etc.

Automobile permits will be issued and charged for until October 10th. If weather continues good tourists may be admitted to the park after October 10th but the rangers will be occupied in protecting the lines from poachers during the hunting season and it will not be possible to issue permits at all gateways. The weather has been ideal for camping and it is a pity that more people have not used the park during the month of September as the roads have been in splendid condition.

Weather

The following records are quoted from the report for September of the Observer in charge of the local United States Weather Bureau at Mammoth Hot Springs, Park Headquarters:

Temperature: Monthly mean, 54.8°, is 1.4° above normal; the highest average for September during the past 25 years. No extremely warm weather occurred, but the high average temperature was occasioned by the long period, 9th to 27th, with temperatures continuously above the seasonal average. The first killing frost occurred on the 8th with a minimum temperature of 25°.

Precipitation: Total, 1.10 inch, is 0.91 inch below normal; the least amount of precipitation of record for September. Occasional light showers occurred during the first week, but the remainder of the month was free from precipitation.

Snowfall: None. Normal 1.6 inches.

Wind: Average hourly velocity, 7.4 miles, is about normal. The maximum velocity, 44 miles southwest on the 7th, has been exceeded once.

Sunshine: Percentage of possible, 85, is with one exception the greatest of record. There was but one cloudy day. From the 8th to the end of the month there was an unprecedented period of almost uninterrupted sunshine.

Travel

The park season closed on September 20th, and the books for this year's travel were closed on September 25th.

The season's total, although not reaching 100,000, was very gratifying, showing an increase of 16,572 over last year's total.

Detailed statements of the season's and months' travel are attached hereto.

II. PERSONNEL

On September 1st there were 337 on the payrolls which had been decreased on September 30th to 195. The following list shows the number of appointees of various classes serving during the month with a general statement of the kind of work in which they were engaged:

<u>No.</u>	<u>Class</u>	<u>Kind of work performed</u>
1	Superintendent	General administration and supervision of all activities in the park.
1	Asstl Supt.	Administration, purchasing, disbursing.
1	Asst. Supt.	Information, reports, etc.
3	Asst. Engineers	1 in charge of engineering work in park, 2 assisting. 1 resigned effective close of Sept. 18, 1922.
7	Clerks	1 Financial Clerk; 1 Cost Accounting Clerk; 1 Personnel, file and report clerk; 1 Time and Payroll Clerk; 2 Stenographer-Typists on stenographic work, information and miscellaneous work for superintendent; 1 Stenographer-Typist on orders, proposals and vouchers.
✓ 1	Park Naturalist	Scientific research work and developing museum. Resigned, effective close Sept. 21, 1922.
3	Electricians	Operated power plant regular shift, including Sundays, read meters, did necessary line work.
4	Foremen	✓ 1 in charge of Headquarters Corral; 1 repairing sprinkler wagons first part of month and later bringing in road equipment; two on construction. (1 foreman phoned off Oct 24 - Apr 24)
1	Telegraph Operator	Sent and received all Government Western Union messages, operated one shift on telephone switchboard.

3	Telephone Switchboard Operators	Operated telephone switchboard daily shifts, including Sundays.
1	Master Mechanic	In charge of shops and of repair to heavy road machinery.
1	Blacksmith	General blacksmith work, including shoeing horses in shop, overhauling and repairing tools and equipment.
1	Master Painter	General shop work, including painting equipment and buildings.
6	Laborers	Teaming, freighting, assisting mechanics and miscellaneous work at headquarters.
1	Steward & Master of Transportation	In charge of all transportation and of storehouses.
1	Chief Buffalo Keeper	In charge of tame buffalo herd
2	Asst. Buffalo Keepers	1 assisting Buffalo Keeper; 1 in charge of hay ranch operations at Slough Creek.
1	Buffalo Herder	Assisting Buffalo Keeper
1	Master Plumber	In charge of general plumbing and water and sewer systems.
3	Auto Mechanics	2 repairing motor trucks and touring cars. 1 on duty at power plant. <i>(1 fur. eff Oct 15 - Apr 15; 1 fur. eff Nov 1 - Apr 30)</i>
1	Carpenter	Repairing buildings at headquarters.
1	Chief Park Ranger	In charge of ranger force.
1	Fish and Game Warden	In charge special observation and reports on wild animals.
1	First Asst. Chief Park Ranger	In charge of northern district.
2	Assts. Chief Park Ranger	1 on duty at Lake District; 1 on duty in Chief Ranger's Office.
14	Park Rangers	Patrolling park borders, protecting game, policing up stations, repairing trails and bridges, fire look-

out work, handling tourist traffic, miscellaneous duties. 1 resigned, neffective close Sept. 15, 1922, 1 resigned effective close Sept. 31, 1922. 1 eff. Sept. 1.

65 Temporary Rangers

Patrolling, handling tourist traffic, building trails, fire look-out, lecture, guide, information, on duty in Chief Ranger's Office, miscellaneous duties. (Services terminated: 2, 8/31; 1, 9/2; 1, 9/31; 3, 9/5; 6, 9/9; 7, 9/10; 1, 9/12; 11, 9/15; 1, 9/19; and 1, 9/20.)

7 10 W A E Park Rangers 7 in charge of stations; 2 motorcycle patrol. (Services terminated: 1, 9/10; and 2, 9/15.) 1 appointed Sept. 14.

Leaves of Absence

Floyd R. Marriott, Laborer, Sept. 14(noon)-Sept. 18, 3½ days.
Clarence Seoyen, Laborer, Sept. 15, 1 da.
Milton P. Skinner, Park Naturalist, Sept. 16-21, 5 da.
Knox Moore, Park Ranger, Sept. (noon) 9, ½ da.
Mrs. Helen M. Hall, Stenog-Typist, Sept. 23-26, 3 da.
Mrs. Lucy Bilkert, Clerk, Sept. 22(noon), ½ da.
Peter E. Bilkert, Financial Clerk, Sept. 22(noon), ½ da.
Berenice J. Finney, Clerk (noon) Sept. 22, ½ da.
August C. Neumann, Master Painter, Sept. 25-27, 3 days.
Roy X. Gray, Laborer, Sept. 15(noon)-16, 1½ da.
Nellie Roach, Telephone Operator, Sept. 30, 1 da.
Julia S. Stockett, Stenog-Typist, Sept. 30, 1 da.
Berenice J. Finney, Clerk, Sept. 30, 1 da.
Mrs. Lucy Bilkert, Clerk, Sept. 30, 1 da.
Peter E. Bilkert, Clerk, Sept. 30, 1 da.
Andrew R. Edwin, Clerk, Sept. 30(noon), ½ da.

Resignations

Chester L. Butler, Park Ranger, \$1200 and quarters, plus increase of compensation, effective close of Sept. 15, 1922.

Raymond G. Little, Park Ranger, \$1320 and quarters, plus increase of compensation, effective close of August 31, 1922.

Berton S. Reese, Park Ranger, \$1200 and quarters, plus increase of compensation, effective close of Aug. 24, 1922. (W.A.E.)

John L. Tyler, W. A. E. Park Ranger, \$1200 and quarters, plus increase of compensation, effective close of Aug. 24, 1922.

Clyde E. Roney, Park Ranger (W.A.E.), \$1200 and quarters, plus increase of compensation, effective close of Aug. 24, 1922.

Milton P. Skinner, Park Naturalist, \$1500 and quarters, plus increase of compensation, effective close of Sept. 21, 1922.

Terminations

William L. Alcorn, Temporary Park Ranger, \$960 per annum, plus increase of compensation and quarters, effective close of September 3, 1922.

Reginald N. Barnard, Temporary Park Ranger, \$960 per annum, plus increase of compensation and quarters, effective close of September 5, 1922.

Malcolm R. Black, Temporary Park Ranger, \$960 per annum, plus increase of compensation and quarters, effective close of September 5, 1922.

Fred T. Brien, Temporary Park Ranger, \$960 per annum, plus increase of compensation and quarters, effective close of September 10, 1922.

Chittenden, Theodore P., Temporary Park Ranger, \$960 per annum, plus increase of compensation and quarters, effective close of September 10, 1922.

Gordon Cottier, Temporary Park Ranger, \$1200 per annum, plus increase of compensation and quarters, effective close of September 9, 1922.

Stephen Davis, Temporary Park Ranger, \$1200 per annum, plus increase of compensation and quarters, effective close of September 10, 1922.

John Delmar, Temporary Park Ranger (WAE), \$1200 per annum, plus increase of compensation and quarters, effective close of September 10, 1922.

Carroll P. Donohoe, Temporary Park Ranger, \$1200 per annum, plus increase of compensation and quarters, effective close of September 15, 1922.

Vernon S. Downs, Temporary Park Ranger, \$1200 per annum, plus increase of compensation and quarters, effective close of September 15, 1922.

Albert G. Ewing III, Temporary Park Ranger, \$1200 per annum, plus increase of compensation and quarters, effective close of September 10, 1922.

Wendell S. Keate, Temporary Park Ranger, \$1200 per annum, plus increase of compensation and quarters, effective close of September 20, 1922.

Melvin L. Larson, Temporary Park Ranger, \$960 per annum, plus increase of compensation and quarters, effective close of September 9, 1922.

George D. LeCornu, Temporary Park Ranger, \$960 per annum, plus increase of compensation and quarters, effective close of September 15, 1922.

Vernon S. Lilly, Temporary Park Ranger, \$960 per annum, plus increase of compensation and quarters, effective close of September 10, 1922.

Miss Marguerite Lindsley, Temporary Park Ranger, \$1200 per annum, plus increase of compensation and quarters, effective close of September 19, 1922.

Hugh D. McFaddin, Temporary Park Ranger, \$960 per annum, plus increase of compensation and quarters, effective close of September 15, 1922.

Emmet S. Matthew, Temporary Park Ranger (WAE), \$1200 per annum, plus increase of compensation and quarters, effective close of September 15, 1922.

Hollis N. Matthew, Temporary Park Ranger (WAE), \$1200 per annum, plus increase of compensation and quarters, effective close of September 15, 1922.

Leon D. Mink, Temporary Park Ranger, \$1200 per annum, plus increase of compensation and quarters, effective close of September 15, 1922.

Knox D. Moore, Temporary Park Ranger, \$1200 per annum, plus increase of compensation and quarters, effective close of September 15, 1922.

Charles W. Mueller, Temporary Park Ranger, \$960 per annum,
plus increase of compensation and quarters,
effective close of September 15, 1922.

George A. Poland, Temporary Park Ranger, \$960 per annum,
plus increase of compensation and quarters,
effective close of August 31, 1922.

Eugene V. Robertson, Temporary Park Ranger, \$1200 per annum,
plus increase of compensation and quarters,
effective close of Sept. 15, 1922.

Merel S. Sager, Temporary Park Ranger, \$960 per annum, plus
increase of compensation and quarters, effective
close of September 2, 1922.

Burleigh D. Shelton, Temporary Park Ranger, \$960 per annum,
plus increase of compensation and quarters, effective
close of September 15, 1922.

Elmer E. Silburn, Temporary Park Ranger, \$960 per annum, plus
increase of compensation and quarters, effective
close of September 5, 1922.

Russell Sprinkel, Temporary Park Ranger, \$1200 per annum,
plus increase of compensation and quarters, effective
close of September 10, 1922.

Frank Thone, Temporary Park Ranger, \$1200 per annum, plus in-
crease of compensation and quarters, effective close
of September 12, 1922.

Walter Toevs, Temporary Park Ranger, \$960 per annum, plus in-
crease of compensation and quarters, effective close
of September 10, 1922.

George M. Vandaveer, Temporary Park Ranger, \$960 per annum,
plus increase of compensation and quarters, effective
close of September 10, 1922.

Paul R. Wylie, Temporary Park Ranger, \$1200 per annum, plus
increase of compensation and quarters, effective
close of September 15, 1922.

John H. Tuttle, Asst. Engineer, \$175 per mo. plus increase of
compensation and quarters, effective close of Sept.
18, 1922.

Appointments

George A. Grant, Park Ranger, \$1200 per annum, plus increase of compensation and quarters, from Temporary Park Ranger, \$960 per annum, plus increase of compensation and quarters, effective September 1, 1922.

John A. Wells, Park Ranger WAE, \$1200 per annum, plus increase of compensation and quarters, effective September 14, 1922.

Furloughs

Carrie O. Haumesser, Stenographer-Typist, \$1320 per annum,
plus increase of compensation, on leave without
pay, April 1st to September 30th, inclusive, 1922.

In addition to the regular employees listed above
under appointment, the following were employed temporarily by
the day:

	<u>Sept. 1</u>	<u>Sept. 30</u>
Mechanics	1	0
Painters	2	1
Cooks	25	9
2-horse teamsters	47	26
4-horse teamsters	33	10
Laborers	42	15
Skilled Labor	68	60
Plumbers	<u>4</u>	<u>3</u>
	222	124
Appointees	<u>115</u>	<u>71</u>
	337	195

III. WORK COMPLETED

(b) Maintenance and Repair of Physical Improvements

Sprinkling: About September 5th, the park travel
having fallen off considerably, the sprinkler crews were order-
ed in and disbanded, so that by September 12th all sprinkler
crews had completed their activities for the season. Foreman
Ferrell with one man made a trip around the park to examine all
supply tanks and to see that all valves were completely drained
of water so that no damage would result through frozen pipes.

Road Maintenance: All small maintenance crews
stationed on the loop were laid off when sprinkling was discon-
tinued. All other maintenance crews were laid off during the
month so that by September 30th no road maintenance work was in
progress.

Cooke City Road: The crew on this section placed a new plank deck, 8' wide, on the 180 foot bridge over the Lamar River. The bridge was also repaired by tightening the nuts on all bolts and rods. The 126 foot steel bridge over the Yellowstone River near Tower Falls was redecked with 3" plank. Some grading and widening work was done in the Lamar Canyon. The crew was disbanded September 20th.

Petrified Trees Road: This section of road about 3/4 of a mile in length was widened, graded and otherwise improved by removing rocks and providing better drainage.

West Gallatin Road: The crew on this section built one 8-foot log bridge, near the Gallatin Ranger Station, redecked the log bridge over Specimen Creek, made repairs to the two log bridges over the Gallatin River and did some grader work on the road. The crew was ordered in to headquarters September 8th and disbanded.

West Entrance Road: A small crew continued work on the West Entrance Road with a power grader outfit, removing patches of oil macadam which have made this road very rough this season. After loosening up the surfacing with a scarifier, the oiled material was graded off and the road surface graded and shaped to make a smooth roadway. One and one-half miles of road were improved during the month. This crew also did considerable patching work on the four mile section of good oiled macadam. All holes and broken places in the pavement were dug out to a depth of 6 inches and filled with clean crushed rock, then hot asphaltic oil was poured over the surface and the oil covered with clean stone chips. The work was finished and the crew moved away September 15th.

East Forest Road: The crew on this section continued maintenance and graveling work during the month and were disbanded September 30th. In addition to grading up the entire road twice after rains a number of places were graveled, totalling about three-quarters of a mile in length.

IV. WORK IN PROGRESS

(a) Construction of Physical Improvements

Graveling Sections of the South Forest Road: Foreman Conahan, with an average crew of twenty men and nine teams, continued graveling in the South Forest. Up to the 20th of the month an excellent grade of surfacing gravel was obtained from a pit near the top of the Dime Creek grade. The amount of material was limited, however, and became exhausted at that time. Another pit was then located and opened up about one-half mile farther south, just out of sight of the road on the east side.

In both pits the gravel wagons were loaded by hand as the amount of material was not sufficient to warrant building a trap.

During the month this crew covered $1\frac{1}{2}$ miles of road 8 inches deep with gravel, placed 2 24" culverts and 2 12" culverts, and widened with plow and grader $1\frac{1}{2}$ mile of road.

Graveling Sections of the South Entrance Road:

Two miles of road were graveled five to six inches deep between the 2 and 5 mile posts south of West Thumb during the month. On September 8th the camp was moved from Cold Spring to a place near the 3 mile post where a new pit was opened. This pit was worked until the 25th, when the haul became too long so a new location was found near the 2 mile post. One of the mechanical gravel loaders was used with varying success. When it failed to operate the wagons were loaded by hand so that no time was lost thereby.

In addition to the surfacing work, four culverts were installed, two 24" and 2 18", to replace old pole culverts. One mile of road way was widened, with a plow and grader. The average crew for the month was 12 men and 5 teams.

Construction of Upper Basin Sewer System: Except for the 20' x 40' concrete sedimentation tank this project is well along toward completion. All sewer pipe is laid and covered except about 250 feet of 10" and 400 feet of 6" for which the trench is excavated. All concrete manholes but one are in place.

The excavation for the sedimentation tank is about finished, only about 18" of rock remains in one end to be blasted out. The progress of this part of the job has been so beset with unavoidable impediments that not more than one-half the time has it been possible to work. An unfortunate blast broke a casting on the 8 inch pump, causing several days delay, then the engine on the air compressor broke loose from its base and several days were required to repair it. The 8-inch suction hose on the pump started to leak, caused from pumping hot water, necessitating a shut down until a new hose could be secured from Butte. At the end of the month everything was working nicely and it is hoped that the tank can be finished without further delay.

Comfort Stations: Two public comfort stations were built this month at the Old Faithful public automobile camp. These buildings are complete except for the installation of plumbing fixtures and the two inside partitions. The buildings are of log and frame construction, 17' x 25' in size. The roof is covered with 6" x 24" sawed cedar shakes laid 18" to the weather.

Parapets and Log Guard Railings: The small crew engaged in constructing guard railings on the Tower Falls road completed that work September 12th and the crew was disbanded. 272 lineal feet of log guard railing was constructed around the sharp turn above the Gardiner bridge, requiring the placing of 18 20" log posts.

On September 16th a small crew began work on the masonry wall at Gibbon Falls. The present wall was extended 40 feet at the upper end and 900 lineal feet of the dry masonry parapet was rebuilt and set in cement mortar.

(c) Miscellaneous Improvement Work

The Steward and Master of Transportation, with three helpers during the month, reports seven trucks delivering supplies to road crews and ranger stations. During the latter part of the month many camps (maintenance and construction) were moved in to headquarters because of the discontinuance of road work for the season, and considerable assistance was rendered the ranger service in the moving of their supplies to winter stations and snowshoe cabins.

The Master Plumber : During the first week of September the new automobile camp at West Thumb was completed and the crew moved to Tower Falls where work on a complete water system was started. By the end of the month a diversion dam in Tower Creek had been built, a reservoir of 3000-gallon capacity constructed, a powerful hydraulic ram installed and trenches excavated for pipe lines. At headquarters the new heating system in the Information-Post Office building was installed. The automobile camps were closed, all water being shut off.

The Master Painter, with his assistants, finished the interior of Marriott's new quarters, also the Canyon and Old Faithful Ranger stations. These stations were stained with creosote and the toilets and bath rooms were enameled and the floors stained.

Two large signs were painted for the west boundary line; 8 signs for the plumber, junction, ranger station and "Stop" signs were taken down between Old Faithful Ranger Station

Department of the Interior
National Park Service
Yellowstone National Park

TOTAL SEASON TRAVEL BY ENTRANCES - 1922 AND 1921
YELLOWSTONE NATIONAL PARK

1 9 2 2									
GATEWAY	RAIL	*BY AUTOMOBILE	BY MOTORCYCLE	etc.	Season	TOTAL	Walking	Horseback	Pre-
Visitors	Cars	Visitors	Cars	Visitors	Visitors	Visitors	Visitors	Visitors	Visitors
1922									
NORTH	10861	5448	18154	47	76	669			29760
WEST	17094	4983	17794	41	62	801			35751
EAST	5304	5964	20039	35	55	337			25735
SOUTH	99	1548	5520	3	5	100			5724
PRE-SEASON									
NORTH & WEST		510				1253			1253
TOTALS	33358	18253	61507	126	198	1907		1253	98223

1 9 2 1									
GATEWAY	RAIL	*BY AUTOMOBILE	BY MOTORCYCLE	etc.	Season	TOTAL	Walking	Horseback	Pre-
Visitors	Cars	Visitors	Cars	Visitors	Visitors	Visitors	Visitors	Visitors	Visitors
1921									
NORTH	7595	4854	16590	23	36	1316			25537
WEST	12708	4451	16202	23	36	847			29793
EAST	4166	5109	17496	29	49	211			21922
SOUTH		1015	3552	1	2	61			3615
PRE-SEASON									
NORTH & WEST		231				784			784
TOTALS	24469	15660	53840	76	123	2435		784	81651

* Includes 934 cars and 3168 visitors entering more than once during the season of 1922, and 787 cars and 2694 visitors entering more than once in 1921.

CHIEF RANGER'S MONTHLY TRAVEL REPORT, MONTH OF

1912

September

	GARDINER.		YELLOWSTONE.		SNAKE RIVER.		SYLVAN PASS.		SODA BUTTE.		SUMMARY.	
	Cars.	People.	Cars.	People.	Cars.	People.	Cars.	People.	Cars.	People.	Cars.	People.
Permits issued <i>Motorayes</i>	424	1295	291	913	91	314	488	1464			1294	3986
Permits issued (complimentary)	3	12	4	27			5	8			14	22
Cars entering second time	99	328	66	219	31	92	48	167			15	49
Total	527	1631	372	1172	122	406	546	1649			1567	4858
Passengers in horse-drawn vehicles												
Passengers on horseback		339	331	715	18	18	18	15				587
Passengers on bicycles												
Passengers on foot												
Total incoming passengers with private transportation	527	1970	372	1387	122	424	526	1664			1567	5445
WITH HIRED TRANSPORTATION.												
Yellowstone Park Transportation Co		1636		1384		9		277				3306
Licenses of personally conducted camping parties												
Livery licenses, short trips												
Total incoming passengers with hired transportation		1636		1384		9		277				3306
TOTAL INCOMING PASSENGERS	527	3606	295	2771	88	433	526	1941			1567	8751

Total automobiles in public camps

Total automobile campers in public camps

Total campers, all classes

Ervind J. Boyen
Asst. Chief Ranger.

and Mammoth.

On September 29th the Master Painter left headquarters for the Buffalo Fork, there to paint a bridge.

The Master Mechanic, and his assistants, overhauled a Ford, a Signal truck, a Mack, and International and a stationary steam engine. General repairing was done on the whole fleet, and field repairs to two gravel loaders, an air compressor and power pump. The motorcycle mechanic repaired motorcycles until about September 25th, when his services for the season terminated.

The Blacksmiths did general repairing and horse-shoeing, both at headquarters and in the field. Hinges were made in this department for use on the new ranger stations.

The Carpenter did general repair work at headquarters.

Buildings and Corrals: During the month the services of all except one man were discontinued in the caring of lawns, and on the 17th of September the sprinkler team used at headquarters was discontinued. Two men with teams continued to work in and about the barns and the public automobile camps.

The Telephone System and Power Plant were operated in the usual manner. The Power Plant was run constantly with the results shown in comparison for Sept. 1921, as follows:

	<u>1921</u>	<u>1922</u>
Total current generated, in KW hours	22,439	23,190
Of this, sold to public utilities		
@ 5¢ per KWH	8,261	5,501
Consumed for street lighting	1,280	3,087
Balance, consumed in Government buildings, for power and lighting and lost on lines in transit	12,879	14,602
Peak load during month in KWH	64	76

During September no construction work was done on telephone or the light lines. On September 13th the telephone lines suffered severely on account of a high wind blowing down timber and breaking down the lines, and we were

out of service until noon of September 15th. From that date the chief electrician and his assistants were busy setting poles which were broken off during the storm, as follows:

Gardiner-Mammoth	6	Lake-Thumb	5
Mammoth-Norris	3	Thumb-Snake River	3
Norris-Canyon	1	Norris-Madison Jct.	4
Canyon-Lake	4	Madison Junction-	
Lake-Sylvan Pass	9	West Yellowstone	49

The Telephone and Switchboard Office was open daily from 6:30 A.M. to 12:00 M. (midnight) until September 17, 1922. Effective that date, it was operated from 6:30 A.M. to 9:00 P.M. A circular regarding the change of schedule is attached to this report.

Switchboard Calls

On Government local lines	8,456
On Hotel Company lines	748
On Long Distance Connections	<u>244</u>
	9,448

Telegrams

Government Sent	115
Commercial Sent	<u>86</u>
Total Sent	201
Government Received	53
Commercial Received	<u>119</u>
Total Received	172

Office Force

The office force was busy with the usual routine work which includes orders, payment of vouchers, preparation of accounts, reports, general correspondence, etc. A great deal of time was spent in the writing of the Annual Report which was sent forward the latter part of the month. 918 pieces of official mail were received and 1734 were sent out during the month.

Sanitation

During the month of September Junior Assistant Sanitary Engineer A. P. Miller, of the U. S. Public Health Service, continued work on the design of the sewage treatment plant for the Canyon Hotel and started work on the design of the sewer system and treatment plant for the Lake Junction. Mosquito control work was started at the Lake in the form of ditches to drain an extensive swamp in the rear of the Lake Hotel. A sludge bed for the Canyon Camp sedimentation tank was laid out and the Sanitary Engineer assisted in preparing the tank for the winter season by draining it. An investigation of the method of disposing garbage at the Upper Geyser Basin was made with a view to relocating that garbage dump to eliminate the possibility of its causing a nuisance.

Boundary Signs

1200 metal signs have been issued to the various ranger stations and will be nailed up along the park boundary lines. The signs are of an attractive design, and contain the words: "U. S. National Park Service. National Park Boundary Line. Hunting Prohibited."

Forest Fires

The past month has been the driest on record. In addition to lack of rain the temperature and sunshine has been well above normal. Under these conditions the forests and grass are as dry as tinder. The fire danger has been very acute, and the fact that no disastrous fires have occurred has been almost a miracle.

Two grass and sage fires started but prompt work on the part of rangers extinguished them before any damage was done. One of these occurred near the bridge at Blacktail Deer Creek and the other near Tower Falls Station. Neither burned over more than a few acres and quick work prevented them from spreading to timber and reaching dangerous proportions. These fires were undoubtedly caused by tourists dropping lighted cigars or cigarettes in the grass.

There were no forest fires during the past month.

(d) Service to the Public

Information Office: The information office was closed at the end of the season and the records were moved to the superintendent's administrative office for the winter. Information is now being given out by clerks in the superintendent's office. The lecture service was discontinued on September 12th when Dr. Frank E. A. Thone, the lecturer of the ranger force, had to return to his home in the East. Before leaving, Dr. Thone completed his book on the flowers of the park, which the official photographer, J. E. Haynes, will publish and have available for sale in the park next year. The book will be entitled, "Trees and Flowers of Yellowstone National Park." It will be elaborately illustrated and will contain 80 pages; it will have pictures and descriptions of the trees and plants most frequently seen in the park. It has been written in popular language. Dr. Thone has promised to return to the park next season. He gave a total of 232 lectures which were very much appreciated by the traveling public.

During the month 1,551 people visited the information office as compared with 1,231 in September 1921. During the entire season a total of 30,335 people visited the information office as against 24,231 in 1921 and 9,680 in 1920.

We are particularly proud of our work in disposing of Government publications to tourists this summer. The following sale publications were sold in the information office:

<u>Article</u>	<u>Total</u>
National Parks Portfolio	944
Geological History of Yellowstone Park	749
Geysers of Yellowstone Park	908
Fossil Forests of Yellowstone Park	525
Fish of Yellowstone Park	191
Glimpses of our National Parks	292
Bulletin A. 611 - N. P. Route	41
Bulletin B. 612 - The Overland Route	33
U. S. Geological Survey Maps	157
Panoramic Views of Yellowstone Park	114
Haynes Guide	367
Truthful Lies	189
Whitebar Elk (Park Naturalist Publication)	46
Prong Horn (Park Naturalist Publication)	30
Total Sale Publications	4,586

We do not believe that as many publications were sold in all of the other parks combined. You will be particularly interested in the fact that we sold nearly 1000 copies of the National Parks Portfolio. We could have sold even more had we been able to keep a stock of these books on hand. Several times the supply was exhausted before the new supplies were received.

During the season a total of 93,945 free publications were distributed in the park by the National Park Service.

Museum: Nothing further was done in the museum during the month. On September 21st Park Naturalist Skinner's resignation became effective. He asked permission to retain his quarters during the winter while he prepares several

popular publications of the wild life of the park. Among these will be a publication on the bears.

Guide Service: This service was conducted until the end of the season at both Mammoth Hot Springs and The Upper Geyser Basin. A total of 446 people were guided over the Mammoth formations during the month of September, and 2,050 over the Upper Geyser Basin formations. The total number for the season at Mammoth Hot Springs is 10,396 and at Upper Geyser Basin 27,103.

V. WORK BEGUN

New Soda Butte Station: On September 6th work was begun on the new Soda Butte Station, which is located about one-half mile inside the park on the Cooke City Road. Rangers are erecting this building which conforms with plans and specifications of the Landscape Engineering Division of the National Park Service. When completed, it is to be 28' x 20 $\frac{1}{2}$ ', with three rooms, cellar, pantry and clothes closet. The old Soda Butte Station was wrecked and most of the material salvaged for use in construction of the new building. At the end of the month all the log work in connection with the walls was completed and about one-half the rafters were in place. The work will be completed during the month. An average of 5 men have been working on this job since work started.

Dunraven Pass Road Maintenance Building: A frame building 18' x 30' is being built in Dunraven Pass for use of the road maintenance crew on that section. The main room which will be used for kitchen and mess room is 18' x 24' with one corner 8' x 10' partitioned off for a cook's sleeping room. A porch 6' wide extends across the front.

Cub Creek Road Maintenance Building: A log cabin 16' x 28' to be used by the road maintenance crew is being built at Cub Creek. The main room is 16' x 22' with a corner partitioned off for the cook. The walls, rafters, sills and floor joist are of logs. The roof is covered with cedar shakes. The floor is double with building paper between to add warmth, and the room is ceiled with building paper and shiplap. The roof is extended 6 feet to provide a porch which will be screened in summer. This structure is made extra strong and warm so that it can be used by the rangers as a snowshoe cabin in winter.

Construction of Road at Lake: On September 10th work was begun on the construction of a road along the lake shore opposite the Lake permanent camp. When completed, this new section will be 2300 feet long. It leaves the existing road at the new ranger station and joins it again at the old station. At the end of the month three 18" G. I. culverts had been placed, 2000 feet of roadway constructed and 1800 feet of roadway covered with heavy gravel a depth of 6 inches. Before the roadway was shaped up with the grader, all sod and top soil was removed with fresnos to provide against the road foundation becoming soft from decayed vegetable matter.

Bechler River Road Survey: On September 11th Assistant Engineer W. I. Davis, with a crew of eight men, began the survey for a proposed road to extend from Lone Star Junction to the southwest corner of the park. The route will be up the Firehole River to its source; thence over the Continental Divide to the headwaters of the Bechler River; thence down the Bechler and Falls Rivers to the south boundary of the park. Good progress was made so that by the end of the month twelve miles of preliminary line had been located and staked. Levels were run over the line and topography taken on each side. The size and location of all culverts and bridges secured, materials to be excavated were classified and the character and extent of timber to be cleared was found.

VI. PLANS OR PROPOSED WORK

Comfort Station: One new comfort station 12' x 22' and similar in design to the ones at Lake and Old Faithful will be built at the Mammoth public automobile camp.

VII. POLICIES

There were no changes in policy during the month.

VIII. COST OF OPERATION

The following shows the status of the 1923 appropriation as of September 30, 1922:

Amount appropriated	361,800.00
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Reserved, 2% Fund	7,220.00	
Retirement Fund	1,061.50	
Retirement Fund (Additional)	193.50	
Expended to Sept. 30, 1922	160,359.67	
*Freight Liabilities	5,098.29	
Book Liabilities	21,191.23	
Team Hire	1,730.40	
Salaries and Wages	11,295.17	\$ 208,149.76

Unobligated balance 153,650.24

Allotted for first quarter	227,000.00
Expenditures and Liabilities	<u>208,149.76</u>

Balance available remaining quarters 18,850.24

* Only B/L's giving weight, estimated.

IX. OTHER MATTERS OF INTEREST

Wild Animals

Game Conditions: The warm, dry weather of the past month has resulted in the game staying high in most cases. There has been no extensive drifting, although some of the "homeguards" have returned to the lower elevations. Forage and range conditions are about normal although the grass in the lower valleys has been badly dried.

Buffalo, tame herd: On the 17th of September the show herd of 18 bulls was moved to the Buffalo Farm to again become a part of the main herd.

The main herd continued to graze on the slopes of Mt. Norris. Twice during the month the herd was brought down for exhibition purposes. On the 6th, 300 came down and on the 27th, 500. The latter was the most successful buffalo exhibition ever staged and it happened that the occasion of the exhibition was brought about in order that Mr. W. R. Mills and his party of motion picture photographers, working under contract for the C. B. & Q. Railroad, might photograph the herd. They report that very wonderful pictures were secured.

Elk: Elk are not moving in any great numbers. The rutting season is now at its height and the piercing bugle of the bull elk is frequently heard throughout the park. The small band kept under fence at the Buffalo Corral was turned out on September 19th. Although some elk have drifted down it will no doubt take quite a heavy storm to cause them to move in any great numbers.

Deer: Deer are now seen on the lawns at Mammoth in groups of from three to thirteen at a time. They are in excellent condition. "Molly", the backdoor beggar, is back with three fawns and is making her regular rounds of the headquarters community.

Only one member of the White Tail family has been observed about headquarters, and he is suffering from the fatal disease of "Lumpy-Jaw."

Bear: Bears are more numerous around the park than they have been for several years. Road crews and other construction outfits have been bothered more or less, but no dangerous individuals have appeared.

Two fine specimens of female brown bears were shipped to city parks - one was caught at Tower Falls and the other at Mammoth.

A small brown cub was killed at Tower Falls by a member of a government construction crew. The bear was trying to make off with a slab of bacon and one of the men, trying to frighten him, threw an axe at him, striking him in the head and killing him instantly. This is the only bear killed in the park the past season.

Antelope: Antelope have not yet appeared at Gardiner in any numbers. A band of three were seen on the alfalfa field daily after September 25th. The dry weather in June and September has made our forage exceedingly short in areas as low as Gardiner, and there is ample reason for concern for the welfare of the antelope for the coming winter.

Moose: No special reports regarding moose have been made during the past month. The State of Wyoming has issued 12 special moose permits to date.

Distribution of Animals: Two bears were trapped and shipped out of the park during the month. A large female brown bear was sent to Jackson, Mississippi, and another of the same description to Joplin, Missouri.

Fishing

Fishing has been excellent in practically all park streams, especially in the Lamar and the Madison Rivers. During the month a ten pound Rainbow Trout was caught in Grebe Lake. This is one of the largest specimens of this species ever taken. During the month of September 2,831 fish were caught in the park by automobile tourist. Automobile tourists during the entire season report having caught 45,709 fish in park waters.

Ranger Patrols and Assignments

Plans for the winter have been practically completed. The following will be the winter organization of the force:

Sam T. Woodring, Chief Ranger, In charge of entire force.
Harry Trischman, First Asst. Chief Ranger, in charge of Northern District.

Joseph Douglas, Asst. Chief Ranger, in charge of Southern District.

E. T. Scoyen, Asst. Chief Ranger, in charge of Western District.

Unassigned: Jas. McBride, Game and Fish Warden.
Stations:

Gardiner: Thad C. Pound
Al McLaughlin

Crevice: W. H. Loyster
George A. Grant

Hellroaring: J. Bauman
Jack Wells

Upper Slough Creek: Ed Burkett

Tower Falls: Jas. Dupuis

Soda Butte: Wm. Purdue
Fred C. Finch

Lake: Earl S. Bowman
Jas. Wilson

Upper Yellowstone: Geo. Winn
Luther Custer

Sylvan Pass: R. R. Wisdom

Snake River: Lee Cottrell
Forest L. Carter

Bechler River: Al F. Bicknell
C. S. Ferris

Riverside: R. T. Frazier
C. Anderson

Gallatin: Lee Webb
George Webb

Destruction of Predatory Animals: Henry Anderson

Seasonal Changes

Botanical: There was no growth of plants during the month; no opening of fresh blossoms except on the sage and greasewood. The following were in bloom on the first and persisted until the dates given: Goldenrod until the 29th; Sunflowers until the 25th; Purple asters until the end of the month; Rayless Cone flowers until the 8th; Fireweed until the 5th; Harebell until the end; Paint Brush until 8th; Spiraea until the 3rd; and Rabbit Bush until the end.

Birch and willow leaves began coloring on the 1st and aspen leaves on the 5th. At the end of the month most of the leaves have fallen except at the lowest elevations.

It has been discovered that although we are noticeably deficient in deciduous trees, we have specimens in good health of all the aspen, poplar, and cottonwoods found in the Rocky Mountains. One or two examples of the rare, drooping form of the cedar have been found during the month.

Birds: The last of the following birds were seen: White Pelican on the 11th; Western Flycatcher on the 16th; Killdeer Plover, Spotted Sandpiper on the 17th; Swainson Hawk on the 18th; and Great Blue Heron on the 29th.

The main flight of Brewer Blackbirds passed through on the 13th and the Pink-sided

Juncos on the 15th.

With the discovery of a Ruddy Turnstone on August 30th and a White-faced Glossy Ibis on September 17th, our list of birds now numbers 205 species.

Animals: Mule deer have changed to the "blue coat" of winter and the rabbits are slowly changing. Weasels are slowly getting lighter colored.

The last ground squirrel seen was on the 8th and the last woodchuck on the 18th.

The above data indicates that the season is now three days later than the average, a marked change since September 1st.

Arrests and Violations of Law

The following trials were held before the U. S. Commissioner during the month of September:

September 1, 1922. U. S. vs. M. J. Gill, Minneapolis, Minn., Speeding. Arrested by Motorcycle Ranger L. D. Mink. Fined \$15.00 and costs, amounting to \$5.50.

September 2, 1922. U. S. vs. C. R. Persall, Salt Lake City, Utah. Speeding. Arrested by Motorcycle Ranger L. D. Mink. Fined \$15.00 and costs amounting to \$5.50.

September 4, 1922. U. S. vs. C. L. Irwin, Laramie, Wyoming. Speeding. Arrested by Motorcycle Ranger Emmet Mathew. Fined \$15.00 and costs amounting to \$5.50.

September 8, 1922. U. S. vs. Everett Lewis. Larceny. Arrested by Chief Ranger Woodring. Fined \$50.00 and costs amounting to \$7.20.

September 14, 1922. U. S. vs. Wayne S. Smith, Yellowstone Park Camps Company. Speeding. Arrested by Motorcycle Ranger Emmet Matthew. Fined \$15.00 and costs of case amounting to \$5.50.

Report of Burglary:

On the night of September 3rd several of the tent cottages at Mammoth Camp were robbed during the entertainment hour. Efforts were made to catch the thief but without results.

On the night of the 5th the offense was repeated and much valuable matter was stolen, including kodaks, handbags and toilet sets. Suspicion pointed to Everett Lewis as being the guilty party and Chief Ranger Woodring surprised him in his room with several articles of the stolen goods. He was arrested, tried and found guilty, fined \$50.00 and costs, and ejected from the park.

Sickness and Medical Attention

Dr. W. E. Crawbuck left Yellowstone Park September 1st for a visit to Glacier Park. His services as official physician actually terminated August 31st. His contract was cancelled September 8th as we have been advised from Washington.

The effective date of the new contract, which has been awarded to Dr. J. M. Wolfe, we do not know as the contract has not been received. Dr. Wolfe arrived in the park September 16th. Since that time he reports having made 15 resident calls on government people and ² calls on tourists.

Accidents and Casualties

Two deaths occurred during the month in the park. They are:

Mrs. Katherine Meierhoffer, of St. Joseph, Missouri, died at the Canyon, Yellowstone Park, Sept. 8, 1922, as a result of myocarditis.

Mrs. Katherine Wiegmann, of St. Louis, Missouri, died at the Canyon, Yellowstone Park, Sept. 14, 1922, as a result of heart failure.

Special Parties

Putnam Party: This party consisted of distinguished writers. The party entered and left via West Yellowstone spending three days in the park, September 13th-15th, inclusive. Notes regarding these authors, their itinerary and writings will be found on the following page.

Going to Portland, Tacoma, and Seattle on the Union Pacific. Three day trip into Yellowstone. Three days at "The Round Up" at Pendleton, Oregon, which is the trip's chief objective. All members of the party, which was organized by Mr. Putnam, will write articles, etc. about it. Held and Ruth Hale doing special illustrated material for Judge. Other periodicals interested in material being prepared are Vanity Fair, Life, N. Y. Herald, N. Y. Times, Town and Country, N. Y. World, etc.

Charles Hanson Towne, author, editor and poet. His new novel, "The Chain" just published. Among his other books are "Manhattan", "Shaking Hands with England", "The Bad Man", and "Loafing Down Long Island". He has been editor of McClures, The Designer, and Smart Set.

Wallace Irwin, author, humorist and journalist, Stanford University. Formerly editor Overland Magazine and on staff of Collier's Weekly. Contributor to The Saturday Evening Post, Life, and other national periodicals. Among his books are "Love Sonnets of a Hoodlum", "The Rubaiyat of Omar Khayyam, Jr.", "At the Sign of the Dollar", "Chinatown Ballads", "Letters of a Japanese Schoolboy", "The Blooming Angel", and "Seed of the Sun".

George S. Chappell, architect by vocation, author and humorist by avocation. Regular contributor to Vanity Fair, Life and other periodicals. Author of a just published book "Little Rollo", a modern satirical burlesque on the famous Rollo books. Mr. Chappell is even better known as "Dr. Walter E. Traprock", the famous author of the "Cruise of the Kawa". His new book "My Northern Exposure", recounting the Kawa's discovery of the North Pole, has just been published.

George Palmer Putnam, publisher and author. His books are "Southland of North America", "In the Oregon country (a series of sketches concerning the Pacific Northwest) and "Smiting of the Rock", a novel of Oregon. From 1908 to 1915 Mr. Putnam was a resident. He owned the Bend Bulletin, and for the last two years of his stay was secretary to Governor Withycombe of Salem. He is now Treasurer of G. P. Putnam's Sons of New York and London.

Ruth Hale. Founder of Lucy Stone League (women who believe in absolute feminine independence, economic and social, even that married women should retain their maiden names. Miss Hale's husband is Heywood Brown, the famous World columnist and critic). Special writer for Judge, Literary and Dramatic

critic. Prominent in National Woman's Party.

Hubbard Hutchinson. Author. His novel "Chanting Wheels" published last spring. Short story writer and musical composer.

Walter Trumbull. Former sporting editor N. Y. Sun. Nationally known sports writer. His column "The Listening Post", N. Y. Herald, syndicated throughout the east. Doing special articles for Herald.

John Held. Started cartoonist and sports writer Salt Lake City. Graduated to N. Y., and to outstanding success as illustrator humorist. Regular contributor to Judge, Life and many national magazines. Doing special feature drawings for Judge.

Wm. G. McAdoo, Ex-Secretary of the Treasury, and a party of 11 friends, mainly citizens of Idaho, arrived at West Yellowstone the morning of September 13th and toured the park in two days in private cars belonging to his Idaho friends. He took luncheon September 13th at Old Faithful Inn and spent the night at the Canyon Hotel. The next day, the 14th, he took lunch at Mammoth Hotel and left via West Yellowstone in the evening.

I was unable to accompany Mr. McAdoo around the park because of my previous engagement with the Putnam writers party. I explained to Mr. McAdoo my situation and he was entirely satisfied. I might say also that he gave me no advice of his coming to the park and I just happened to meet him at West Yellowstone the morning I went to meet the Putnam party.

W. R. Mills, and his party of motion picture photographers, working under contract for the C. B. & Q. Railroad, returned to the park from Glacier Park on September 26th and spent several days here making additional negatives of features of this park. Among other things he photographed the big buffalo herd on September 27th. Over 500 buffalo were brought before the camera, the largest number of buffalo ever photographed in the park.

Special Visitors

F. A. Wadleigh, P.T.M., D. & R. G. Western Railroad, entered West Yellowstone September 12th, toured the park and left via Cody September 17th. He had with him Mr. George R. Beam, his secretary, and the official photographer of the D. and R. G. Western Ry. Mr. Beam took a large number of pictures

under ideal weather conditions.

Miss Emma Lindsay Squier entered via Cody Sept. 15th and left via the same gateway September 23rd. Miss Squier is a writer of children's stories, particularly animal stories. She spent several days at the Buffalo Ranch besides touring the park.

Chief Engineer T. W. Norcross, of the U. S. Forest Service, entered the park via West Yellowstone and left via Gardiner with the District Engineer of District No. 1 of the Forest Service, traveling in Forest Service automobile.

Mr. Asahel Curtis, chairman of the Inter-City Advisory Committee on Mt. Rainier and resident of Seattle, also old time friend of all the national parks, is now on the staff of the Northern Pacific Railroad as an official photographer. He arrived in Yellowstone via Gardiner September 23rd and left by the same gateway October 2nd. All the time that he was in the park he spent taking pictures and had ideal weather conditions for the purpose. He made the loop road system and also the Cody road but did not have time to go to Jackson Hole or up to Cooke City.

Second
Mr. Arthur Yencken, Secretary of the British Embassy, was in the park from September 14th to September 17th, inclusive, coming and going via West Yellowstone.

Messrs. Kuang Piao Hu and M. T. Chou, of China, were in the park for $2\frac{1}{2}$ days, Sept. 13-15th, inclusive, stopping at the Yellowstone Park Camps Company.

Purchase of the Duret Property

On September 10th and 11th I took a party of men interested in the wild life of Yellowstone Park into the Slough Creek region. We camped a night at the Silver Tip Ranch just outside of the park boundary. This ranch was owned by Chief Buffalo Keeper Lacombe and Chas. J. Smith, Chief Ranger of Grand Canyon National Park. While riding in the Slough Creek country we visited the Duret properties several miles outside of the park line. These were owned by Joseph (Frenchy) Duret, who was killed on June 12th by a grizzly bear, except approximately 160 acres which were owned by his wife. Mr. Jas. M. Anderson, one of the gentlemen who were with me on this trip is an old big game hunter and now

very much interested in game conservation. He realized the menace of these patented holdings in Slough Creek to the wild life of the park and made arrangements while on this trip with me to purchase all of these patented holdings for \$13,000 cash. Mr. W. M. Nichols of the Yellowstone Park Hotel and Transportation Companies and I have closed the transactions covering the purchase of these properties for Mr. Anderson and for the first time in years Slough Creek will cease to give us worry in our protection work.

Another member of our party was Mr. Thomas Cochran, a member of the firm of J. P. Morgan and Company.

Rotary and Kiwanis Clubs Entertained

Mr. Howard H. Hays, Mr. E. H. Moorman, of the Yellowstone Park Camps Company, and I, entertained the Rotary Club and the Kiwanis Club of Livingston, Montana, at Camp Roosevelt on the evening of September 9th. This entertainment was provided with a view to developing further interest in the preservation and protection of the park by the business men of Livingston and also for the purpose of cementing more firmly our personal friendship with these men.

General Inspection Trip

On September 22, 23 and 24th I made a trip to Jackson Hole and out on the Cody road. The night of the 22nd was spent at the Bar B. C. Ranch under the Grand Teton. Most of the 23rd was spent in studying conditions at Emma Matilda and Two-Ocean Lakes in the proposed extension to the park. On the 24th the trip was made on the Cody Road to a point just outside the South Forest line. In other words, I covered all of the roads we are charged with maintaining in the forests south and east of the park. Special reports will go forward to you on these inspection trips.

School

The Yellowstone Park school opened September 11th with Mrs. Laurie K. Marriott in charge. The attendance was 17 pupils as shown by the monthly report attached hereto. Two circulars, No. 19, issued on September 4th, and No. 20, issued on the 6th, regarding the school, are also attached.

Park Service, amount 7.42

Certified check #464, dated Sept. 20,
1922, drawn by Henry F. Brothers,
on the Walker Bros. Bankers, Salt
Lake City, Utah, to the Director,
National Park Service, amount 300.00

Postal Money Order, #50539, dated Sept. 15,
1922, drawn by the Postmaster at
Yellowstone Park, Wyoming, on the
Postmaster at Washington, D. C.,
amount 1.36

\$ 891.73

Recapulation of Revenues received by months and Entrances up
to and including Sept. 30, 1922.

ENTRANCE	September	August	July	June	Total	
North ^{04.} 982.50	8,102.50	16,967.50	13,227.50	1,965.00	40,262.50	41,245.
East 510.00	5,667.50	18,052.50	17,785.00		41,505.00	41,715
South 127.50	1,800.00	3,847.50	3,720.00		9,367.50	9,445.
West ^{292.50}	2,175.00	14,002.50	17,162.50		33,340.05	33,632.55
				1,965.00		
^{1612.50}	<u>17,745.00</u>	52,870.00	51,395.05		124,475.05	

Sept. Revenues from Automobile Permits 17,745.00

Other Revenues for September 891.73

18,526.73

Cordially yours,

The Director,
National Park Service,
Department of the Interior,
Washington, D. C.

Horace M. Albright,
Superintendent.

Religious Services

Services were held in the chapel every Sunday morning at 10:30 and every evening at 8:00 o'clock, to the close of the tourist season, the pulpit being supplied by Mr. W. Friend Day, layman of the Episcopal Church. On the 10th and 17th the Rev. Pendleton of South Carolina, who was visiting the park in company with several other Episcopal clergymen, enroute to the convention in Portland held services.

IX. RECEIPTS AND REMITTANCES:

Certified check #559, dated Sept. 7, 1922, drawn by W. M. Nichols, on the National Bank of Montana, Helena, Montana, to the Director, National Park Service, amount	41.53
Certified check #1052, dated Sept. 7, 1922, drawn by Howard H. Hays, on the Northwestern National Bank, Liv- ingston, Montana, to the Director, National Park Service, amount	180.38
Certified check #1115, dated Sept. 15, 1922, drawn by Howard H. Hays, on the Northwestern National Bank, Liv- ingston, Montana, to the Director, National Park Service, amount	240.00
Certified check #313, dated Sept. 7, 1922, drawn by W. M. Nichols, on the National Bank of Montana, Helena, Montana, to the Director, National Park Service, amount	81.41
Certified check #547, dated Sept. 9, 1922, drawn by J. E. Haynes, on the Yegen Bros., Bankers, Gardiner, Montana, to the Director, National Park Service, amount	29.63
Certified check #3409, dated Sept. 6, 1922, drawn by Elizabeth Trischman, on the Yegen Bros. Bankers, Gardiner- Montana, to the Director, National	